



April 3, 1980

Michigan Standard Alloys, Inc.
P.O. Box 688
Benton Harbor, MI 49022

Attention: Jay E. Fowler, V.P.

Gentlemen:

Receipt of the application for reissuance of your NPDES permit to discharge to the waters of the state is acknowledged. It has been assigned to Mr. Michael Beck, our District Engineer, for processing. Any restrictions upon this use found to be necessary will be written into a proposed permit to discharge in accordance with the requirements of Section 8(b) Act 245, Public Acts of 1929, as amended, and the Commission's Part 21 Rules.

A copy of the proposed permit will be forwarded to you. Prior to issuance, you will have a period of not less than 30 days to review the proposed permit and comment on it. Should you wish to make further inquiry during the processing of your application, please contact Mr. Karl Zollner, Jr., Engineering & Technical Services Section, Water Quality Division at (517) 373-8088 or write him at Box 30028, Lansing, Michigan, 48909.

Very truly yours,

WATER QUALITY DIVISION

Robert J. Courchesne
Division Chief

by: Karl Zollner, Jr., P.E., Chief
Engineering & Technical Services
Section

RJC/KZ:clp

cc: Berrien County Health Department
City of Benton Harbor, Clerk
Mr. Beck
S. Buda
File R

POUL
MARSHALL

State of Michigan
Department of Natural Resources
Water Resources Commission**DISCHARGE PERMIT APPLICATION**

(Please print or type all information)

Section 1. Applicant and Facility Description — unless otherwise specified on this form, all items are to be completed. If an item is not applicable, indicate "NA."

RECEIVED

APR 01 1980

Water Quality-E & TS

1. Legal Name of Applicant:

MICHIGAN STANDARD ALLOYS, INC.

2. Mailing Address of Applicant:

number & street P.O. BOX 688city BENTON HARBOR state MICH. zip code 49022 phone 616 926-1161
area code number

3. Applicant's Authorized Agent for further correspondence:

name & title JAY E. FOWLER, V.P.number & street SEE ABOVEcity SEE ABOVE state _____ zip code _____telephone: area code 616 number 926-1161

4. Facility/Activity: give name, ownership and physical location of the plant or other operating facility where discharge(s) does or will occur.

name MICHIGAN STANDARD ALLOYS, INC. ZINC DIVISION1256 MILTON STREET, BENTON HARBOR, MICHIGAN 49022ownership: N/A sole owner; X corporation; MICH state in which incorporation filed;N/A partnership; N/A governmental unit; N/A nonprofit organization.

location:

street & number 1256 MILTON STREETcity BENTON HARBOR township _____county BERRIEN; town 4S range 18W section NE 1/4 of 30

I certify that I am familiar with the information contained in this application, and to the best of my knowledge and belief, such information is true, complete and accurate. Submitted in accordance with Section 8 (b), Act 245, Public Acts of 1929, as amended.

Signature of Applicant

Date If Partnership, Signature of Co-Owner

Date

Print or Type Applicant's Name & Title

Print or Type Co-Owner's Name

JAY E. FOWLER, VICE PRESIDENT

**number of
discharge
points**

total volume used or discharged — gal/day

N/A

N/A

1

7690 (EST.)

1

7690 (EST.)

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

total 2

15380

yes _____ no X date submitted _____ date fully implemented _____

a: **usage:** This application contains a list of critical materials. Please indicate the amount of these materials used in, produced in, or are incidental to your operation.

name	amount lbs/yr.
ZINC	28,670,000

name	amount lbs/yr.
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5. **Activity Causing Discharge:** For each S.I.C. Code which describes the activity causing this discharge, supply the type and average and maximum amount of *either* the raw materials consumed (Item 5a) or the product produced (Item 5b).

a. raw materials:

S.I.C. Code	name	average amt/day	maximum amt/day	unit (see Table II)	discharge(s) serial No. (s)
334	ZINC	115000	N/A	LBS.	002

b. products:

S.I.C. Code	name	average amt/day	maximum amt/day	unit (see Table II)	discharge(s) serial No.(s)
334	ZINC ALLOY	115000	N/A	LBS.	002

6. **Waste Abatement Practices:** Briefly describe the waste treatment practices applied to this discharge. (attach a waste flow diagram)

narrative: REFERENCE: ATTACHED MARKED UP PRINT OF SMALL DRAWING NO. 1000C SHOWS
ROUTING OF DISCHARGE N-002 TO MUNICIPAL STORM DRAIN IN HURD STREET.

a. distance of treatment facility and/or disposal area from nearest well:

private well N/A feet; municipal well N/A feet.

9. **Plant Controls:** Check if the following plant controls are available for this discharge:

NO alternate power source NO alarm or emergency procedure for power or equipment failure.

Production stops during any failure until corrected.

10. **Residuals and Residues:** Are there any sludges, residues, or critical materials removed from or resulting from treatment or control of wastewaters produced by this discharge?

X yes; _____ no; if *no* is checked, continue to Item 11.

a. the physical state of the residue:

_____ liquid; _____ heavy sludge; X wet solids; _____ dry solids.

b. the liquid portion of the residue is primarily:

X water; _____ oil; _____ chemical solvent.

c. the residue results from:

X process wastewater; _____ sanitary sewage; _____ chemical production;

_____ food processing; _____ machining; _____ dust collection;

_____ paint booths; _____ water treatment; _____ other (specify).

d. estimate the total annual volume or weight of the material:

_____ gallons; (pounds;)cubic yards (circle one)

e. if you dispose of the material yourself, indicate the type of disposal site:

_____ public landfill; _____ private landfill; _____ own land;

_____ shipped out of state; _____ incinerated; X other (specify).

SOLIDS ARE MELTED

f. if a public or private landfill(s) is used, give name(s) and address(es):

N/A

g. if you have the material removed by commercial waste or refuse hauler(s), give name(s) and address(es):

All Waste Disposal --Benton Harbor

Approved Disposal --Grand Rapids

12. (continued)

condenser cooling water

N/A

cooling tower blowdown

N/A

manufacturing process

NIL

other (specify) **MOLD JACKET WATER**

NIL

13. Discharge Temperature:

maximum summer N/A °F

maximum winter N/A °F

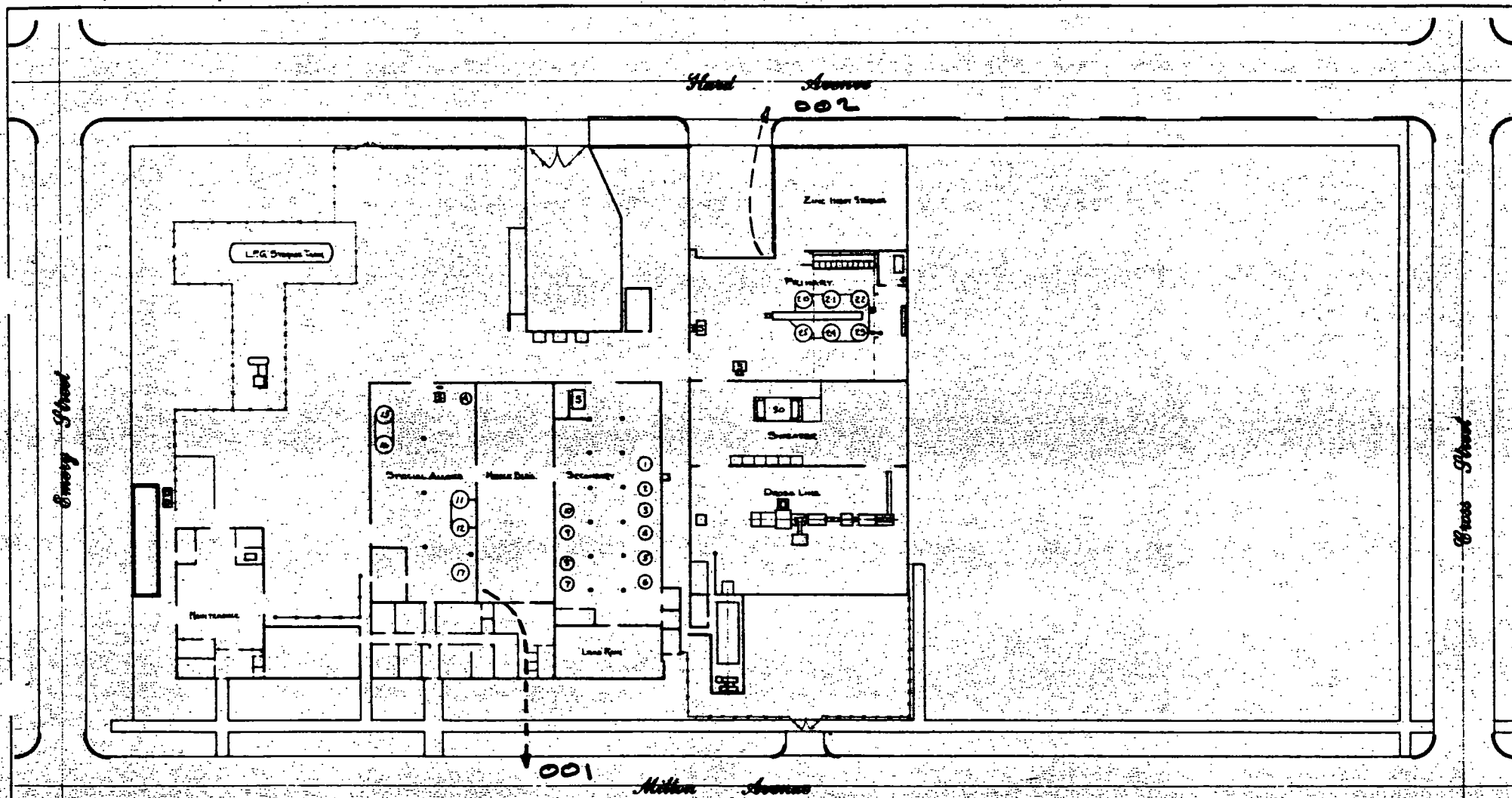
average summer N/A °F

average winter N/A °F

14. Intake Temperature:

average summer N/A °F

average winter N/A °F



C	PRJ	Construction
S	SP	Added New Assets
PL	BY	DATE
MICHIGAN STANDARD ALLOYS, INC.		
P.O. BOX 888		
BENTON HARBOR, MICHIGAN 48007		
MILTON AVE. ZINC PLANT - LAYOUT		
T-01	7-20-95	
P.S.		
		1000 C